

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A positive electrode material for a lithium secondary battery, which is a composite oxide powder having a total composition represented by $\text{Li}_a\text{Ni}_b\text{Co}_c\text{Ba}_d\text{Al}_e\text{O}_x$ where

$a/(b+c)$: 1.0 to 1.2

$b/(b+c)$: 0.5 to 0.95

$c/(b+c)$: 0.05 to 0.5

$d/(b+c)$: 0.0005 to 0.01

$e/(b+c)$: 0.01 to 0.1

$b+c = 1$

x : not specified.

2. (Original) The positive electrode material for a lithium secondary battery according to claim 1, wherein an amorphous phase of an oxide is dispersed within a particle of the composite oxide powder.

3. (Original) The positive electrode material for a lithium secondary battery according to claim 1, wherein the amorphous phase of the oxide is formed on a surface portion of a particle of the composite oxide powder.

4. (Original) The positive electrode material for a lithium secondary battery according to claim 1, wherein the amorphous phase of the oxide is dispersed within a particle of the composite oxide powder and also formed at a surface of the particle.

5. (Currently Amended) The positive electrode material for a lithium secondary battery according to any ~~one of claims 2 to 4~~, claim 2 wherein a constituent component of the amorphous phase of the oxide is an oxide of one or a plurality of elements selected from the group consisting of Li, Ba, and Al.

6. (Original) The positive electrode material for a lithium secondary battery, which is a composite oxide having a total composition represented by $\text{Li}_a\text{Ni}_b\text{Co}_c\text{Ba}_d\text{Al}_e\text{M}_f\text{O}_x$ where

M: one or a plurality of elements selected from the group consisting of Na, K, Si, B, and P,

$a/(b+c)$: 1.0 to 1.2

$b/(b+c)$: 0.5 to 0.95

$c/(b+c)$: 0.05 to 0.5

$d/(b+c)$: 0.0005 to 0.01

$e/(b+c)$: 0.01 to 0.1

$f/(b+c)$: 0.01 or less (not inclusive of 0)

$b+c = 1$

x: not specified.

7. (Original) The positive electrode material for a lithium secondary battery according to claim 6, wherein the composite oxide is a powder, a particle of which has an amorphous phase of an oxide dispersed within the particle.

8. (Original) The positive electrode material for a lithium secondary battery according to claim 6, wherein the composite oxide is a powder, a particle of which has an amorphous phase of an oxide on a surface of the particle.

9. (Original) The positive electrode material for a lithium secondary battery according to claim 6, wherein the composite oxide is a powder, a particle of which has an amorphous phase of an oxide dispersed within the particle and also formed on a surface of the particle.

10. (Original) A method for producing a positive electrode material for a lithium secondary battery, the method comprising:

adding Ba and Al raw materials to a Li-Ni-Co-O system raw material, whereby consequently obtaining a mixture; and

firing the mixture.

11. (Original) A method for producing a positive electrode material for a lithium secondary battery, the method comprising:

adding Ba and Al raw materials and a raw material for forming an amorphous phase of an oxide to a Li-Ni-Co-O system raw material, whereby consequently obtaining a mixture;
and

firing the mixture.

12. (Original) A method for producing a positive electrode material for a lithium secondary battery, the method comprising:

adding Ba and Al raw materials to a Li-Ni-Co-O system raw material, whereby consequently obtaining a mixture;

firing the mixture;

further mixing a raw material for forming an amorphous phase of an oxide in the fired mixture, whereby consequently obtaining a further mixture; and

re-firing the further mixture.

13. (Original) A method for producing a positive electrode material for a lithium secondary battery, the method comprising:

adding Ba and Al raw materials and a raw material for forming an amorphous phase of an oxide to a Li-Ni-Co-O system raw material, whereby consequently obtaining a mixture;

firing the mixture;

further mixing a raw material for forming an amorphous phase of an oxide in the fired mixture, whereby consequently obtaining a further mixture and

re-firing the further mixture.

14. (Currently Amended) A lithium secondary battery comprising a positive electrode composed of the positive electrode material for a lithium secondary battery as recited in ~~any~~

~~one of claims 1 to 9~~ claim 1.